

ABB BALDOR RELIANCE III

Customer information packet

L3605M

2HP, 1725RPM, 1PH, 60HZ, 184, 3628L, TEFC, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	184
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Cap Start, Induction Run
Output @ Frequency	2.000 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	115.0 V @ 60 HZ 230.0 V @ 60 HZ
Agency Approvals	UR CSA
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	RG
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	11.500 A @ 230.0 V 11.700 A @ 208.0 V 23.000 A @ 115.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	75.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater

Part Detail

Revision	AA
Type	AC
Mech. spec.	36C011
Base	
Status	NLA/A
Elec. spec.	36WGX267
Layout	36LYC011
Eff. date	04-08-2016
CD Diagram	CD0269
Poles	04
Leads	4#14 A&J,2#16 B PH,1#10 #4TH
Proprietary	False
Created date	01-01-0001

High Voltage Full Load Amps	11.5 a
Insulation Class	B
Inverter Code	Not Inverter
KVA Code	H
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	4 @ 14 AWG, A&J
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3628L
Mounting Arrangement	F1
Number of Poles	4
Overall Length	15.69 IN
Power Factor	74
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	0.875 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1725 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	Do Not Use
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	Manual Thermal Overload
Winding Thermal 1 Location	SB

Winding Thermal 2

None

Nameplate

NP1257L											
CAT.NO.											
SPEC.	36C11X267										
HP	2										
VOLTS	115/230										
AMP	23/11.5										
RPM	1725										
FRAME	184			HZ		60		PH		1	
SER.F.	1.15	CODE	H	DES	L	CL	B				
NEMA-NOM-EFF	75.5	PF	74								
RATING	40C AMB-CONT										
CC											
DE	6206	ODE	6205								
ENCL	TEFC	SN									

Accessories

Part number	Description	Multiplier
36-1037	C FACE KIT	A8
36EP1304A62SP	FLANGE MTD ENDPLATE 182-4TD -ENCL (LESS	A8

AC Induction Motor Performance Data

Record # 10935

Typical performance - not guaranteed values

Winding: 36WGX267-R001			Type: 3628L		Enclosure: TEFC		
Nameplate Data			230 V, 60 Hz: High Voltage Connection				
Rated Output (HP)		2	Full Load Torque		6 LB-FT		
Volts		115/230	Start Configuration		direct on line		
Full Load Amps		23/11.5	Breakdown Torque		17.4 LB-FT		
R.P.M.		1725	Pull-up Torque		11.4 LB-FT		
Hz	60	Phase	1	Locked-rotor Torque		14.4 LB-FT	
NEMA Design Code		L	KVA Code	H	Starting Current		71 A
Service Factor (S.F.)		1.15		No-load Current		7.1 A	
NEMA Nom. Eff.		75.5	Power Factor	74	Line-line Res. @ 25°C		0.96 Ω A Ph 1.14 Ω B Ph
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		75°C	
S.F. Amps				Temp. Rise @ S.F. Load		92°C	

Load Characteristics 230 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	37	54	66	74	78	80	77
Efficiency	61	73	75	75.5	74	73	74.5
Speed	1788	1775	1760	1745	1730	1712	1725
Line amperes	7.5	8.4	9.8	11.5	13.7	15.8	12.8

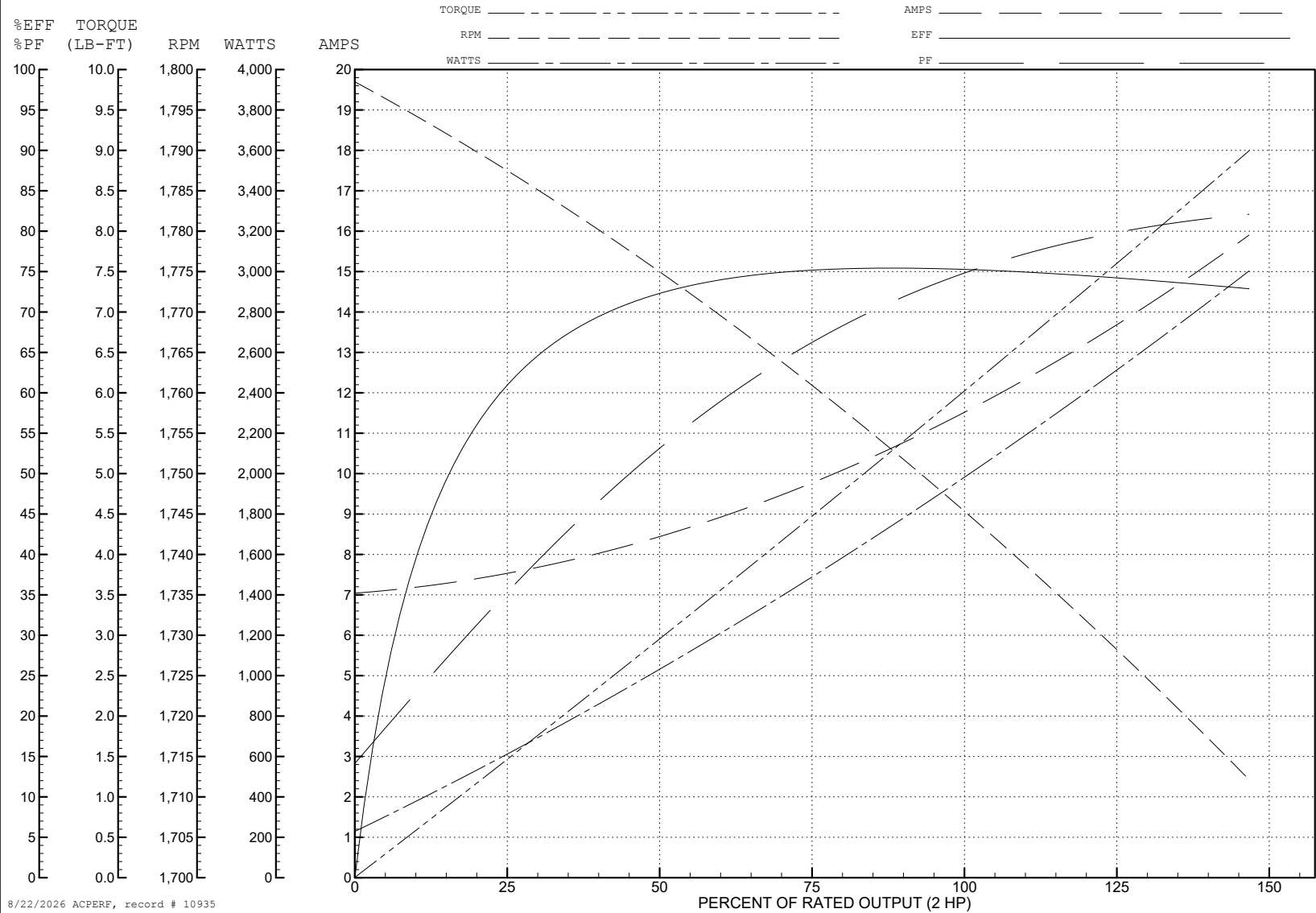
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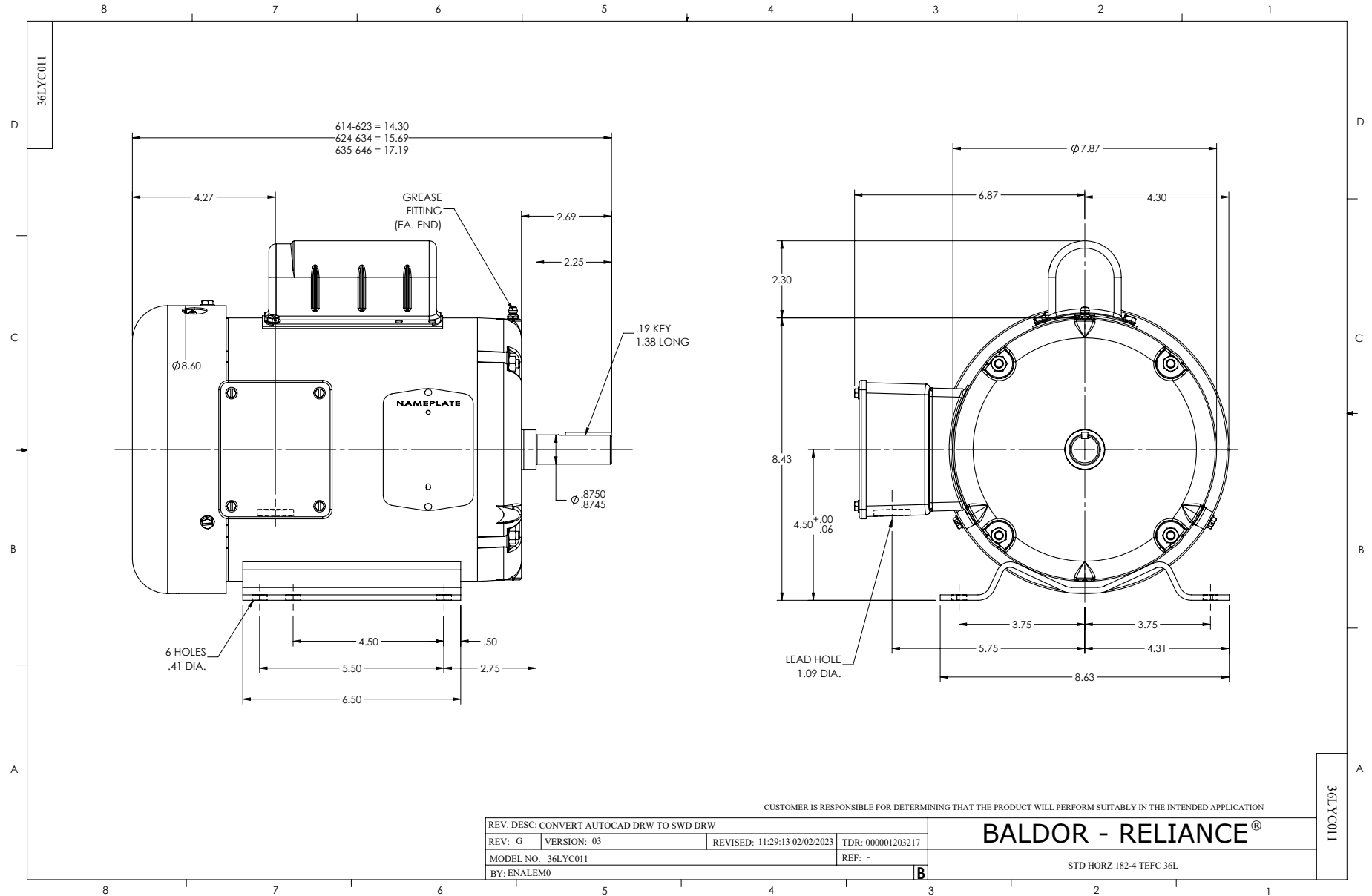
WINDING # 36WGx267

Typical performance - not guaranteed values.

2 HP 1 PH 60 HZ 1725 RPM 230 V 3628L

TORQUES (LB-FT): PO=17.4 PU=11.4 LR=14.4 LRA=71





CD0269

